

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows. This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A recording apparatus for forming an image on a recording medium, comprising:

a recording unit~~means~~ for performing recording by applying a recording material onto the recording medium, the recording unit~~means~~ recording the image and at least one of a positional information image representing positional information corresponding to the position where the positional information image is recorded, where the recording unit arbitrarily records the positional information image and the image; and

a control unit~~means~~ for controlling the recording such that the recording unit~~means~~ records the positional information image with a recording material capable of being detected by a predetermined detector; and records the image with another recording material incapable of being detected by the detector;

~~wherein the positional information image can arbitrarily be recorded on the recording medium~~

2. (previously presented) A recording apparatus according to Claim 1, wherein the recording material used for recording the positional information image contains carbon, and the recording material used for recording the image is carbon-free.

3. (previously presented) A recording apparatus according to Claim 1, wherein

the recording material used for recording the positional information image comprises one of a pigment ink containing carbon and a dye ink containing carbon, and the recording material used for recording the image comprises one of a carbon-free pigment ink and a carbon-free dye ink.

4. (previously presented) A recording apparatus according to Claim 1, wherein the recording material for the positional information image is black, and the recording material for the image is a plurality of recording materials capable of recording a color image.

5. (original) A recording apparatus according to Claim 4, wherein the plurality of recording materials correspond to a plurality of colors including yellow, magenta, and cyan.

6. (original) A recording apparatus according to Claim 4, wherein the plurality of recording materials have a plurality of colors including yellow, magenta, cyan, and black.

7. (original) A recording apparatus according to Claim 1, wherein the positional information image is expressed by a combination pattern of a plurality of spots to represent the positional information.

8. (original) A recording apparatus according to Claim 1, wherein the positional information is associated with coordinates on the recording medium.

9. (original) A recording apparatus according to Claim 1, wherein the positional information is associated with coordinates on a virtual plane beyond the area of the recording medium.

10. (currently amended) A method for recording an image with a recording apparatus that applies a recording material onto a recording medium, the method comprising:

recording, on the recording medium, the image and at least one of a positional information image corresponding to positional information representing at least positions on the recording medium, where the positional information image is arbitrarily recorded on the recording medium ~~and the image~~; and

controlling the recording such that the positional information image is recorded with a recording material capable of being detected by a predetermined detector, and the image is recorded with another recording material incapable of being detected by the detector.;

~~wherein the positional information image can arbitrarily be recorded on the recording medium.~~

11. (currently amended) A recording medium including:

a pattern image designating positions at least thereon, the pattern image being recorded by applying a first recording material capable of being detected by a predetermined detector, where the pattern image is arbitrarily recorded; and

an image, different from the pattern image, recorded by applying a second recording material incapable of being detected by the detector.;

~~wherein the pattern image can arbitrarily be recorded on the recording medium.~~

12. (currently amended) A recording system comprising:

a recording apparatus for performing recording by applying a recording material onto a recording medium according to image data, the recording apparatus recording

positional information representing positions on at least the recording medium and the image_data, the recording apparatus including a control unit~~means~~ for controlling recording such that the positional information is recorded with a recording material capable of being detected by a predetermined detector, and the image data is recorded with a recording material incapable of being detected by the detector; and

a transmitting apparatus for transmitting the image data to the recording apparatus, the transmitting apparatus including an image data preparation unit~~means~~ and an image data transmission unit~~means~~,

wherein the positional information image is~~can~~ arbitrarily ~~be~~ recorded on the recording medium.

13. (currently amended) Computer-executable process steps, stored on a computer-readable storage medium, A program for controlling a recording apparatus for recording an image by applying a recording material onto a recording medium, the computer-executable process steps~~program~~ performing:

recording, on the recording medium, the image and a positional information image corresponding to positional information representing positions on at least the recording medium, where the positional information image is arbitrarily recorded on the recording medium and the image;

controlling the recording such that the positional information image is recorded with a recording material capable of being detected by a predetermined detector, and the image is recorded with another recording material incapable of being detected by the detector,

wherein the positional information image is~~can~~ arbitrarily ~~be~~ recorded on the recording medium.